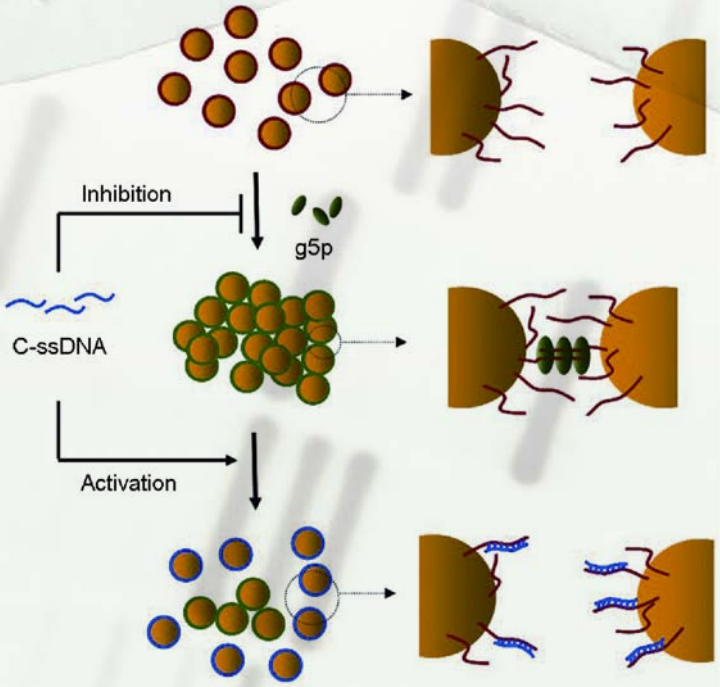
Generation of Novel Nano-Biosensors

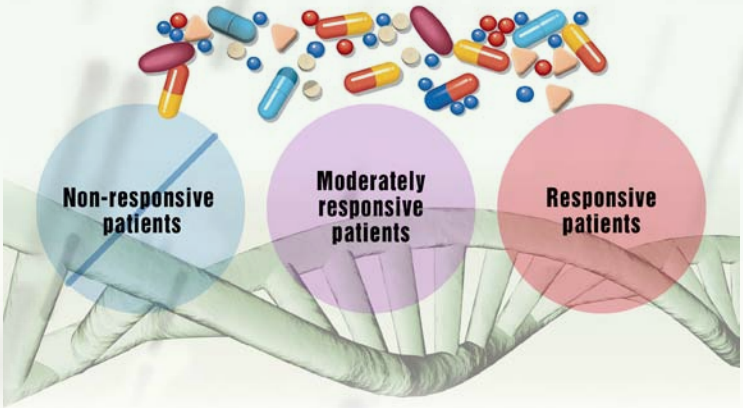
Technology

Describes the use of a phage single-stranded DNA (ssDNA) binding protein, to develop novel nanoparticle systems whose assembly and disassembly can be controlled without heat treatment.



Applications

Our technology will find immediate use in the development of complex DNA based nanostructures and custom microarrays for molecular diagnostics and drug development.



Competitive Advantage

The technology permits generation of nanoparticle systems which can assemble and disassemble without thermal treatment. In addition, the method can be used to fabricate a wide array of nanoparticle systems with complex architectures and unique functional peptide domains.

Inventors
Soo-Kwan Lee
Daniel van der Lelie
Oleg Gang

License Status

Available for Licensing
- Non-Exclusive
- Exclusive

Patent Status

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Brookhaven National Laboratory

Kimberley Elcess
Office of Intellectual Property and Sponsored Research

PO Box 5000
Building 185
Upton, NY
11973-5000

Phone:
(631) 344-4151

Fax:
(631) 344-3729

Email address:
elcess@bnl.gov

BROOKHAVEN NATIONAL LABORATORY